

AMENDMENTS TO THE CLAIMS

Please enter the following amendments:

1. (Original) A video signal recording apparatus comprising:
a video and audio memorizing section for temporarily memorizing an inputted video audio signal;
an auxiliary information memorizing section for temporarily memorizing auxiliary information appended to the video audio signal;
a memory control device for controlling write and read operations of the video audio signal with respect to the video and audio memorizing section and controlling write and read operations of the auxiliary information with respect to the auxiliary information memorizing section; and
a recording device for sequentially recording the video audio signal read from the video and audio memorizing section and the auxiliary information read from the auxiliary information memorizing section on a recording medium, wherein
the memory control device stores the video audio signals equivalent to a time length equal to or exceeding an amount of time required from a time point when a recording-start request with respect to the recording medium is made until the recording actually starts with respect to the recording medium in the video and audio memorizing section to thereby delay the video audio signals by an amount of time during which the video audio signals are stored and records the delayed video audio signals on the recording medium, and
the memory control device further stores the auxiliary information appended to the video audio signals in the auxiliary information memorizing section for a time period substantially

equal to the delay of the video audio signals to thereby delay the auxiliary information by an amount of time during which the auxiliary information is stored and records the delayed auxiliary information on the recording medium.

2. (Previously Presented) A video signal recording apparatus as claimed in Claim 1, wherein

the auxiliary information includes time code information for specifying a chronological position on the video audio signal, absolute time information of the video audio signal, and physical position information at the time of photographing the video audio signal.

3. (Original) A video signal recording apparatus as claimed in Claim 1, wherein the recording medium is a recording medium of a tape type, and the auxiliary information is a CUE audio signal recorded in a linear track along a longitudinal direction of the tape in the recording medium, wherein the CUE audio signal is an audio signal of a channel optionally selected from the video audio signals or an audio signal combining the optionally selected audio signals of a plurality of channels.

4. (Original) A video signal recording apparatus as claimed in Claim 1, wherein the memory control device controls the write operations with respect to the video and audio memorizing section and the auxiliary information memorizing section so as to implement an intermittent video photographing per an interval shorter than the amount of time required from the time point when the recording-start request with respect to the recording medium is made until the recording actually starts with respect to the recording medium.

5. (Original) A video signal recording apparatus as claimed in Claim 1, wherein the recording device reads a time code in the previously recorded auxiliary information previously recoded on the recording medium and positioned immediately prior to a next recording-start position on the recording medium, generates a regeneration value obtained by adding a frame time to the read time code, and replaces the time code in the previously recorded auxiliary information outputted from the auxiliary information memorizing section immediately before the next recording starts with a serial value starting with the regeneration value to thereby record the auxiliary information with the replacing result in the next recording, and the recording device corrects the regeneration value in the generation process thereof by an amount of delay corresponding to a storage volume memorized in the auxiliary information memorizing section to thereby reflect the corrected regeneration value on a state at the time of time code generation so that a time difference between times corresponding to the time code on the recording medium and the time code generation is eliminated.

6. (New) A video signal recording apparatus comprising:

a video and audio memorizing section for temporarily memorizing an inputted video audio signal;

a time code generating section for generating a timecode of said video audio signal;

an auxiliary information memorizing section for temporarily memorizing auxiliary information appended to said video audio signal including said time code;

a recording/reproduction section for recording sequentially a video audio signal read from said video audio memorizing section and auxiliary information read from said auxiliary information memorizing section on a recording medium and reproducing said video audio signal and auxiliary information recorded thereon; and

a controlling section for:

controlling write and read operations of said video audio signal with respect to said video and audio memorizing section,

controlling write and read operations of said auxiliary information with respect to said auxiliary information memorizing section and write and read operations of said auxiliary information with respect to said recording/reproduction section,

storing said video audio signals equivalent to a time length equal to or exceeding an amount of time required from a time point when a recording-start request with respect to the recording medium is made until the recording actually starts with respect to the recording medium to said video and audio memorizing section and thereby delay to record on said recording medium,

storing said auxiliary information appended to said video audio signals for a time period equal to the delay of said video audio signals to said auxiliary information memorizing section and thereby delay to record on said recording medium,

reproducing a time code which is included in an auxiliary information recorded previously and located immediately before a recording starting point where said recording/reproduction section starts to record next on said recording medium to maintain as a recorded time code,

generating a regeneration value obtained from a time code to which one frame time is added to said recorded time code when a recording starts,

replacing sequentially said time codes in said auxiliary information outputted from said auxiliary information memorizing section with time codes in series starting from said regeneration value and thereby recording on said recording medium as a new auxiliary information, and

correcting said regeneration value for an amount of delay corresponding to a storage volume temporarily memorized in said auxiliary information memorizing section and thus obtaining a corrected time code, and thereafter sequential time codes are generated from said corrected time code through said time code generating section.